

### Abstract

A three dimensional object creation system that prints objects layer by layer, the system including a plurality of printheads, the system printing at least part of each of multiple layers simultaneously, the system configured to enable at least one first printhead that is initially configured to print at least part of a first layer to be  
5 dynamically reconfigured to print at least part of a second layer, and wherein if at least one printhead initially configured to print the second layer fails whilst printing said second layer, said at least one first printhead is dynamically reconfigured to complete the printing of at least part of said second layer.